

PENDING CLAIMS
Application No. 10/012,029
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1.-56. (Cancelled).

57. (Original) A composition comprising, in a physiologically acceptable medium:

at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

58. (Original) The composition according to Claim 57, wherein the weight-average molecular mass of the first polymer is less than 50,000.

59. (Original) The composition according to Claim 57, wherein the at least one hetero atom is a nitrogen atom.

60. (Original) The composition according to Claim 57, wherein the hydrocarbon-based units comprising at least one hetero atom are chosen from amide groups.

61. (Original) The composition according to Claim 57, wherein the at least one fatty chain is present in an amount ranging from 40% to 98% of a total number of the

hydrocarbon-based repeating units comprising the at least one hetero atom, and the at least one fatty chain.

62. (Original) The composition according to Claim 61, wherein the at least one fatty chain is present in an amount ranging from 50% to 95% of a total number of the hydrocarbon-based repeating units comprising the at least one hetero atom, and the at least one fatty chain.

63. (Original) The composition according to Claim 57, wherein said at least one fatty chain is chosen from at least one pendent fatty chain, and further wherein the at least one pendent fatty chain is linked directly to at least one of said at least one hetero atom.

64. (Original) The composition according to Claim 57, wherein the polymer skeleton of the at least one first polymer comprises at least one amide repeating unit in said skeleton.

65. (Original) The composition according to Claim 64, wherein the at least one fatty chain comprises from 8 to 120 carbon atoms and is linked to the at least one amide repeating unit.

66. (Original) The composition according to Claim 65, wherein the at least one fatty chain is present in an amount ranging from 40% to 98% of a total number of the at least one amide repeating unit and the at least one fatty chain.

67. (Original) The composition according to Claim 66, wherein the at least one fatty chain is present in an amount ranging from 50% to 95% of a total number of the at least one amide repeating unit and the at least one fatty chain.

68. (Original) The composition according to Claim 65, wherein said at least one fatty chain is chosen from at least one pendent fatty chain, and further wherein the at

least one pendent fatty chain is linked directly to at least one of the nitrogen atoms of the at least one amide repeating unit.

69. (Original) The composition according to Claim 57, wherein the weight-average molecular mass of the at least one first polymer ranges from 1,000 to 100,000.

70. (Original) The composition according to Claim 69, wherein the weight-average molecular mass of the at least one first polymer ranges from 1,000 to 50,000.

71. (Original) The composition according to Claim 70, wherein the weight-average molecular mass of the at least one first polymer ranges from 1,000 to 30,000.

72. (Original) The composition according to Claim 57, wherein the weight-average molecular mass of the at least one first polymer ranges from 2,000 to 20,000.

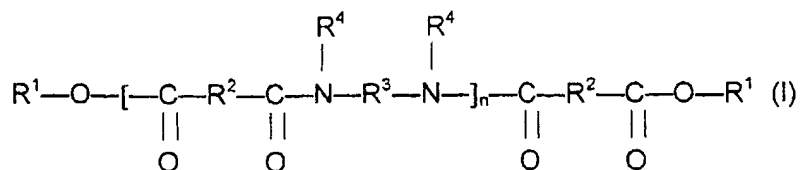
73. (Original) The composition according to Claim 72, wherein the weight-average molecular mass of the at least one first polymer ranges from 2,000 to 10,000.

74. (Original) The composition according to Claim 57, wherein the at least one terminal fatty chain is linked to the skeleton via at least one bonding group.

75. (Original) The composition according to Claim 74, wherein the at least one bonding group is an ester group.

76. (Original) The composition according to Claim 57, wherein the at least one fatty chain comprises from 12 to 68 carbon atoms.

77. (Original) The composition according to Claim 57, wherein the at least one first polymer is chosen from polymers of formula (I) below:



wherein:

n is a number of amide units such that the ester groups are present in an amount ranging from 10% to 50% of a total number of ester and amide groups;

R^1 is independently chosen from alkyl and alkenyl groups containing at least 4 carbon atoms;

R^2 is independently chosen from C_4 to C_{42} hydrocarbon-based groups, wherein 50% of the R^2 groups are chosen from C_{30} to C_{42} hydrocarbon-based groups;

R^3 is independently chosen from organic groups containing at least 2 carbon atoms, hydrogen, and optionally at least one atom chosen from oxygen and nitrogen atoms; and

R^4 is independently chosen from hydrogen, C_1 to C_{10} alkyl groups, and a direct bond to R^3 or to another R^4 , such that the nitrogen atom to which R^3 and R^4 are both attached forms part of a heterocyclic structure defined by $\text{R}^4\text{—N—R}^3$, wherein at least 50% of the R^4 groups are hydrogen.

78. (Original) The composition according to Claim 77, wherein R^1 is a C_{12} to C_{22} alkyl group.

79. (Original) The composition according to Claim 77, wherein R^2 is a C_{30} to C_{42} hydrocarbon-based group.

80. (Original) The composition according to Claim 57, wherein the at least one first polymer is present in an amount ranging from 0.01% to 10% by weight, relative to the total weight of the composition.

81. (Original) The composition according to Claim 80, wherein the at least one first polymer is present in an amount ranging from 0.05% to 5% by weight, relative to the total weight of the composition.

82. (Original) The composition according to Claim 81, wherein the at least one first polymer is present in an amount ranging from 0.1% to 3% by weight, relative to the total weight of the composition.

83. (Original) The composition according to Claim 57, wherein the at least one second film-forming polymer is chosen from free-radical polymers, polycondensates, and polymers of natural origin.

84. (Original) The composition according to Claim 57, wherein the at least one second film-forming polymer is chosen from vinyl polymers, polyurethanes, polyesters, and cellulose polymers.

85. (Original) The composition according to Claim 57, wherein the physiologically acceptable medium comprises an aqueous phase.

86. (Original) The composition according to Claim 85, wherein the aqueous phase comprises water and optionally at least one water-miscible organic solvent.

87. (Original) The composition according to Claim 86, wherein the at least one water-miscible organic solvent is chosen from lower monoalcohols containing from 1 to 5 carbon atoms, glycols containing from 2 to 8 carbon atoms, C₃-C₄ ketones, and C₂-C₄ aldehydes.

88. (Original) The composition according to Claim 86, wherein the at least one water-miscible organic solvent is chosen from ethanol, isopropanol, propylene glycol, ethylene glycol, 1,3-butylene glycol, and dipropylene glycol.

89. (Previously presented) The composition according to Claim 86, wherein the water is present in an amount ranging from 1% to 95% by weight relative to the total weight of the composition.

90. (Original) The composition according to Claim 85, wherein the at least one second film-forming polymer is present in the form of particles dispersed in an aqueous phase.

91. (Original) The composition according to Claim 85, wherein the aqueous phase comprises an additional water-soluble film-forming polymer.

92. (Original) The composition according to Claim 57, wherein the physiologically acceptable medium comprises a liquid fatty phase.

93. (Original) The composition according to Claim 92, wherein the liquid fatty phase comprises at least one oil chosen from mineral oils, animal oils, plant oils, hydrocarbon-based oils, fluorinated oils, and silicone-based oils.

94. (Original) The composition according to Claim 92, wherein the liquid fatty phase comprises an oil that is volatile at room temperature.

95. (Original) The composition according to Claim 92, wherein the liquid fatty phase comprises at least one hydrocarbon-based volatile oil containing from 8 to 16 carbon atoms.

96. (Original) The composition according to Claim 94, wherein the at least one volatile oil is present in an amount ranging from 0.1% to 98% by weight, relative to the total weight of the composition.

97. (Original) The composition according to Claim 96, wherein the at least one volatile oil is present in an amount ranging from 1% to 65% by weight, relative to the total weight of the composition.

98. (Original) The composition according to Claim 92, wherein the liquid fatty phase is present in an amount ranging from 2% to 98% by weight, relative to the total weight of the composition.

99. (Original) The composition according to Claim 98, wherein the liquid fatty phase is present in an amount ranging from 5% to 85% by weight, relative to the total weight of the composition.

100. (Original) The composition according to Claim 57, wherein the at least one second film-forming polymer is present in the form of particles dispersed in a liquid fatty phase and surface-stabilized.

101. (Original) The composition according to Claim 100, wherein the particles are surface-stabilized with at least one stabilizer chosen from block polymers, grafted polymers, and random polymers.

102. (Original) The composition according to Claim 101, wherein the at least one stabilizer is chosen from grafted-block and block polymers, the at least one stabilizer comprising at least one block of a styrene polymer and at least one block derived from ethylenic monomers comprising at least one optionally conjugated ethylenic bond.

103. (Original) The composition according to Claim 57, wherein the at least one second film-forming polymer is present in an amount ranging from 0.1% to 60% by weight, relative to the total weight of the composition.

104. (Original) The composition according to Claim 103, wherein the at least one second film-forming polymer is present in an amount ranging from 10% to 45% by weight, relative to the total weight of the composition.

105. (Original) The composition according to Claim 57, wherein the particles of the at least one second film-forming polymer have a size ranging from 5 nm to 600 nm.

106. (Original) The composition according to Claim 105, wherein the particles of the at least one second film-forming polymer have a size ranging from 20 nm to 300 nm.

107. (Original) The composition according to Claim 57, further comprising at least one wax.

108. (Original) The composition according to Claim 107, wherein the least one wax has a melting point of greater than 30°C.

109. (Original) The composition according to Claim 108, wherein the least one wax has a melting point ranging from greater than 30°C to 120°C.

110. (Original) The composition according to Claim 107, wherein the least one wax is chosen from beeswax, lanolin wax, Chinese insect waxes, rice wax, carnauba wax, candelilla wax, ouricury wax, cork fiber wax, sugar cane wax, Japan wax, sumach wax, montan wax, microcrystalline waxes, paraffin waxes, ozokerites, ceresin wax, lignite wax, polyethylene waxes, waxes obtained by Fisher-Tropsch synthesis, fatty acid esters of glycerides that are solid at 40°C, waxes obtained by catalytic hydrogenation of animal or plant oils containing groups chosen from linear and branched C₈-C₃₂ fatty chains, silicone waxes, and fluoro waxes.

111. (Original) The composition according to Claim 107, wherein the least one wax is present in an amount ranging from 0.1% to 50% by weight, relative to the total weight of the composition.

112. (Original) The composition according to Claim 111, wherein the least one wax is present in an amount ranging from 0.5% to 30% by weight, relative to the total weight of the composition.

113. (Original) The composition according to Claim 112, wherein the least one wax is present in an amount ranging from 1% to 20% by weight, relative to the total weight of the composition.

114. (Original) The composition according to Claim 57, further comprising at least one dyestuff.

115. (Original) The composition according to Claim 57, further comprising least one additive chosen from antioxidants, fillers, preserving agents, fragrances, neutralizing agents, thickeners, cosmetic agents, dermatologically active agents, and dyestuffs.

116. (Original) A care or make-up composition for a keratin material comprising, in a physiologically acceptable medium:

at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

117. (Original) A product, chosen from mascara, eyeliner, a product for the eyebrows, a product for the lips, a face powder, an eyeshadow, a foundation, a make-

up product for the body, a concealer product, a nail varnish, a skincare product, and a haircare product, the product comprising, in a physiologically acceptable medium:

at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

118. (Original) A mascara comprising, in a physiologically acceptable medium:

at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

119. (Original) A cosmetic process for making up or caring for a human keratin material, comprising:

applying to the human keratin material, an effective amount of a composition comprising, in a physiologically acceptable medium:

at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

120. (Original) A method of obtaining a deposit which adheres to a human keratin material, comprising:

applying to the human keratin material, an effective amount of a composition comprising, in a physiologically acceptable medium:

at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

121. (Original) A method of instantaneously thickening a human keratin material, comprising:

applying to the human keratin material, an effective amount of a composition comprising, in a physiologically acceptable medium:

at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

122. (Original) The method according to Claim 121, wherein the at least one first polymer is a polyamide having end groups in which the end groups comprise an ester group, the ester group comprising a hydrocarbon-based chain comprising from 10 to 42 carbon atoms.

123. (Original) The method according to Claim 121, wherein the at least one first polymer has a weight-average molecular mass ranging from 1,000 to 30,000.

124. (Original) A method of instantaneously thickening eyelashes, comprising: applying to the human keratin material, an effective amount of a mascara comprising a composition comprising, in a physiologically acceptable medium:

at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

125. (Original) The method according to Claim 124, wherein the at least one first polymer is a polyamide having end groups in which the end groups comprise an ester group, the ester group comprising a hydrocarbon-based chain comprising from 10 to 42 carbon atoms.

126. (Original) The method according to Claim 124, wherein the at least one first polymer has a weight-average molecular mass ranging from 1,000 to 30,000.

127. (Original) A method of lengthening eyelashes, comprising:
applying to the human keratin material, an effective amount of a mascara comprising a composition comprising, in a physiologically acceptable medium:
at least one first polymer with a weight-average molecular mass of less than 100,000, comprising:

a) a polymer skeleton comprising hydrocarbon-based repeating units, said units comprising at least one hetero atom in said skeleton, and

b) optionally at least one fatty chain chosen from at least one pendent fatty chain and at least one terminal fatty chain, the at least one fatty chain containing from 6 to 120 carbon atoms and being linked to the hydrocarbon-based units, the at least one fatty chain being optionally functionalized, and

a dispersion of particles of at least one second film-forming polymer that is insoluble in said medium.

128. (Original) The method according to Claim 127, wherein the at least one first polymer is a polyamide having end groups in which the end groups comprise an ester group, the ester group comprising a hydrocarbon-based chain comprising from 10 to 42 carbon atoms.

129. (Original) The method according to Claim 127, wherein the at least one first polymer has a weight-average molecular mass ranging from 1,000 to 30,000.